

Title (en)
VENTILATOR SYSTEM

Title (de)
VENTILATORSYSTEM

Title (fr)
SYSTEME DE VENTILATION

Publication
EP 1045712 A4 20010103 (EN)

Application
EP 99956657 A 19991025

Priority
• US 9924953 W 19991025
• US 17846698 A 19981023

Abstract (en)
[origin: EP1166815A2] A portable mechanical ventilator (10) uses a constant-speed compressor (20) and a recirculating bypass circuit. Bypass flow is governed by a spring-biased bypass valve (26) so connected to both the inlet and the outlet of the main flow control valve (12) as to maintain a differential pressure across the flow valve (12) sufficient to operate the ventilator (10) with minimal energy consumption. The flow valve (12) is operated by a microprocessor (82) in accordance with empirically derived lookup tables to both produce the desired air flow and provide a measure of that air flow. <IMAGE>

IPC 1-7
A61M 16/00; **A61M 16/12**; **A61M 16/20**

IPC 8 full level
A61M 16/00 (2006.01); **A61M 16/12** (2006.01); **A61M 16/20** (2006.01)

CPC (source: EP US)
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Citation (search report)
• [XY] EP 0164500 A2 19851218 - DRAEGERWERK AG [DE]
• [Y] US 5331995 A 19940726 - WESTFALL THOMAS P [US], et al
• [XA] GB 2000443 A 19790110 - PHILIPS NV

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